

| Date | Speaker (affiliation) | Title | Indico Link | Institution |
|------|--|---|--|---|
| 1 | 21.04.2018 Wesley Johnson (NASA Glenn Research Center) | NASA's Cryogenic Fluid Management Needs and Low Temperature Multilayer Insulation Test Results | https://indico.cern.ch/event/731138 | NASA Glenn Research Center |
| 2 | 03.07.2018 Gerard Wilfert (CERN, Haverd Rijnloo Anestrad (Norwegian University of Science and Technology (NTNU)) | Measurement of Electrical and Mechanical Transients in Nb3Sn magnets | https://indico.cern.ch/event/763059 | High Energy Accelerator Research Organization (JIP) |
| 3 | 03.10.2018 Akira Yamamoto (High Energy Accelerator Research Organization (JIP), Dileo Perini (CERN) | Development of NbTi/NbCu Multilayer Sheet Material for Superconducting Magnet Shimming | https://indico.cern.ch/event/763236 | High Energy Accelerator Research Organization (JIP) |
| 4 | 09.10.2018 Qingxiu XU (IHEP) | Prefold and training in HL-LHC Nb3Sn magnet field for accelerators in particle accelerators | https://indico.cern.ch/event/763236 | IHEP |
| 5 | 29.10.2018 Felix Josef Wolf (CERN) | Prefold and training in HL-LHC Nb3Sn magnets for particle accelerators | https://indico.cern.ch/event/763236 | IHEP |
| 6 | 12.02.2019 Felix Josef Wolf (CERN) | Effect of Transverse stress applied during reaction heat treatment on the stiffness of Nb3Sn Rutherford cable stacks and Cu loading stress... | https://indico.cern.ch/event/778493 | CERN |
| 7 | 02.05.2019 Akira Yamamoto (High Energy Accelerator Research Organization (JIP)) | State of the Art and Challenges in Accelerator Technology – Past and Present | https://indico.cern.ch/event/810556 | High Energy Accelerator Research Organization (JIP) |
| 8 | 21.05.2019 Gerard Wilfert (CERN) | Methods for quench localisation and performance diagnostics of Nb3Sn magnets in SM18 | https://indico.cern.ch/event/810556 | CERN |
| 9 | 13.09.2019 R. Albanese (Università di Napoli, Federico II) | The new Divertor Tokamak Test facility | https://indico.cern.ch/event/848629 | Università di Napoli, Federico II |
| 10 | 17.09.2019 Bernardo Castaldo (CERN) | 2D and 3D Instrumentation and diagnostics using fiber optic sensors for superconductors | https://indico.cern.ch/event/847972 | CERN |
| 11 | 22.10.2019 Andrei BRIN (ETHZ, Thea THERMOT (ETHZ)) | Epox Systems for the integration of High Field Superconducting Magnets | https://indico.cern.ch/event/847972 | ETHZ |
| 12 | 29.10.2019 Przemyslaw Wachał (The Institute of Nuclear Physics of the Polish Academy of Science) | 2D and 3D FEM Modelling of High Torque CCT magnet structures | https://indico.cern.ch/event/850000 | The Institute of Nuclear Physics of the Polish Academy of Science |
| 13 | 19.11.2019 Aroon Abbas (EPFL), Bertrand Dubois (EPFL), Zhibang Yang (EPFL) | Optical Fiber Sensing for Fast Hotspot Detection in Superconducting Fault Current Limiters | https://indico.cern.ch/event/863083 | EPFL |
| 14 | 21.11.2019 Hiroaki Higashi (International Institute for Materials Science (IIMMS), Satoshi Awai (Tohoku University)) | Applied superconducting R&D activities in IIMMS // Superconducting material and magnet developments at IIMMS | https://indico.cern.ch/event/869529 | International Institute for Materials Science (IIMMS) |
| 15 | 13.12.2019 Edoardo D'Amelio (Department of Brain and Behavioral Sciences, University of Pavia (Pavia, Italy)) | The Human Brain Project: a model for the brain | https://indico.cern.ch/event/869529 | Department of Brain and Behavioral Sciences, University of Pavia (Pavia, Italy) |
| 1 | 21.01.2020 Huzao Bajaj (CERN) | Modelling of Flux Concentrator for Linear Accelerator Positron Source | https://indico.cern.ch/event/879493 | CERN |
| 2 | 28.01.2020 Jaime Renedo Anadad (CERN) | A reference magnetic model for the PS (Proton Synchrotron) | https://indico.cern.ch/event/882494 | CERN |
| 3 | 04.02.2020 Danke van der Laan (Advanced Conductor Technologies) | Recent progress on CERN's cable and wire development and their application in prototype accelerator magnets | https://indico.cern.ch/event/882979 | Advanced Conductor Technologies |
| 4 | 06.02.2020 Kirilana Phebrao (CERN) | Thermal Analysis of He II cooled Nb3Sn superconducting coil samples | https://indico.cern.ch/event/888733 | CERN |
| 5 | 25.02.2020 Valentine Ventrone (Wroclaw University of Science and Technology (WUST) Poland and CERN (TE-MSC/CM)) | Thermodynamic and technological optimization of complex cryogenic insulation systems | https://indico.cern.ch/event/893806 | Wroclaw University of Science and Technology (WUST) |
| 6 | 03.03.2020 Ignacio Aviles Santibana (CERN) | Characterization of Low-Carbon Steel for High-Field Accelerator Magnets | https://indico.cern.ch/event/892944 | CERN |
| 7 | 21.04.2020 Marco Busio (CERN) | Status and prospects of consolidated B-train systems | https://indico.cern.ch/event/910680 | CERN |
| 8 | 16.06.2020 Tosten Kette (CERN) | Determination of the electro-mechanical limits of high-performance Nb3Sn Rutherford cables under transverse stress from a single-wire experiment | https://indico.cern.ch/event/909753 | University of Geneva |
| 9 | 12.05.2020 Enrico Fedini (EPFL - Ecole Polytechnique Federale Lausanne (CNIL), Jerome Haray (Université de Liège (BE)) | Novel toroidal configuration for hadron therapy gantry // Novel toroidal configuration for hadron therapy gantry | https://indico.cern.ch/event/914154 | EPFL - Ecole Polytechnique Federale Lausanne (CNIL) |
| 10 | 26.06.2020 Christian Schaeferli (CERN) | Thermomechanical behaviour of superconducting Nb3Sn magnet constituent materials | https://indico.cern.ch/event/920016 | CERN |
| 11 | 12.07.2020 Tomasz Kozłowski (CERN) | CERN Cryostat measurement capabilities and R&D – related to MSC | https://indico.cern.ch/event/927608 | CERN |
| 12 | 14.07.2020 Dariusz Pulkowski (CERN) | Analysis and Modelling of Geometry and Field Quality Along the Series Production of the 11 T Dipole | https://indico.cern.ch/event/932747 | CERN |
| 13 | 21.07.2020 Matthias Bonora (CERN) | An integrated software framework for magnetic measurements - from raw data to assets | https://indico.cern.ch/event/932016 | CERN |
| 14 | 28.07.2020 Michela Liguori (CERN) | Computation of Electromagnetic Boundary Data From Magnetic Measurements in Accelerator Magnets | https://indico.cern.ch/event/932422 | CERN |
| 15 | 11.08.2020 Kabler Sarasola Martin (CERN) | Test of the FeTiCr-MD coils at high field and variable temperature in the SULTAN Facility | https://indico.cern.ch/event/933900 | CERN |
| 16 | 18.08.2020 Vincenzo D'Alava (EPFL - EPFL Lausanne) | Development and electrical test of high field and current cables between Nb3Sn cables for particle accelerators magnets | https://indico.cern.ch/event/940413 | EPFL - EPFL Lausanne |
| 17 | 25.08.2020 Jose Luis Hernandez (CERN) | An analytical approach to the mechanics of superconducting magnets: the 11 T dipole collared coils | https://indico.cern.ch/event/940254 | CERN |
| 18 | 01.09.2020 Anthony Beaumont (CERN) | CERN spin resonance magnetic field sensors for the B-Train systems | https://indico.cern.ch/event/946723 | CERN |
| 19 | 08.09.2020 Stefano Sarti (CERN Politecnico di Milano (IT)) | Measurement of dynamic effects in normal conducting magnets | https://indico.cern.ch/event/945154 | CERN - Politecnico di Milano (IT) |
| 20 | 15.09.2020 Tomo Ogino (CERN) | Review of Magnets Quench Antenna for Accelerator Magnets | https://indico.cern.ch/event/945024 | CERN |
| 21 | 29.09.2020 Eleni Tournaki (CERN) | IMS: a Magnetic Measurement Management and Information System | https://indico.cern.ch/event/956607 | CERN |
| 22 | 03.11.2020 Lukasz Tomkow Tomkow (CERN) | Application of stacks of HTS tapes in a rotor of a fully superconducting aircraft motor | https://indico.cern.ch/event/971380 | CERN |
| 23 | 10.11.2020 Daniel Wolfmueter (CERN) | Studies of damage limits of superconducting composite dipoles due to instantaneous beam impact - recent results and future plans | https://indico.cern.ch/event/970866 | CERN |
| 24 | 17.11.2020 Christopher Brian Segal (Florida State University (US)) | Driving it through Materials Science - Methods for metallurgical analysis of superconductors in the SCS sector | https://indico.cern.ch/event/974035 | Florida State University (US) |
| 25 | 24.11.2020 Jakub Kurdel (CERN) | MSB septum solenoid magnet for the North Experimental Area A at CERN in the context of the planned BDF/SHIP extraction line | https://indico.cern.ch/event/977630 | CERN |
| 26 | 01.12.2020 Maria Balcells (CERN) | MSB TEST FACILITY: shaping it for LHC and beyond in the next 10 years | https://indico.cern.ch/event/977630 | CERN |
| 27 | 08.12.2020 Ioannis Koukounis (EPFL) | Carpetter (Gen. 21-SM1)'s test follow-up tool | https://indico.cern.ch/event/983074 | CERN |
| 1 | 14.01.2021 Iole Falorio (CERN) | Effect of heating time and temperature on joint resistance of RfBCO tapes | https://indico.cern.ch/event/991297 | CERN |
| 2 | 28.01.2021 Magnus Lundberg (CERN) | Design of an HTS demonstrator coil of a superconducting toroidal magnet for a particle physics experiment in space | https://indico.cern.ch/event/1003643 | CERN |
| 3 | 04.02.2021 Glyn Kirby (CERN) | The State of the art with Canted Cosine Theta (CCT) magnets | https://indico.cern.ch/event/1002941 | CERN |
| 4 | 25.02.2021 Glyn Kirby (CERN) | The build up to, and cold test of Feather2 (14) in Free2c2 | https://indico.cern.ch/event/1015002 | CERN |
| 5 | 04.03.2021 Felix Takacs (CERN) | On the mechanics of MDXF - the low beta quadrupole for the HL-LHC | https://indico.cern.ch/event/1011148 | CERN |
| 6 | 11.03.2021 Enrico Fedini (EPFL) | Analysis of a Novel Toroidal Configuration for Hadron Therapy Gantry | https://indico.cern.ch/event/1016443 | EPFL |
| 7 | 25.03.2021 Pierre Alexandre Thonet (CERN) | Design and manufacturing of three permanent magnet dipoles for FAER experiment | https://indico.cern.ch/event/1010394 | CERN |
| 8 | 01.04.2021 Riva Nicolini (CERN) | The overcritical current regime of commercial RfBCO tapes: a strategy toward Resilience | https://indico.cern.ch/event/1021562 | EPFL |
| 9 | 08.04.2021 Ruben Keizer (CERN - Universiteit Twente (NL)) | Modelling V-I measurements and characterizing performance degradation in 11 T and MDXF magnets | https://indico.cern.ch/event/1025242 | CERN - Universiteit Twente (NL) |
| 10 | 29.04.2021 Mariano Pontella (CERN) | A Hitchhiker's Guide to Magnetic Measurements of Materials: Overview, Solutions, Future Plans | https://indico.cern.ch/event/1028104 | CERN |
| 11 | 06.05.2021 Simon Daelen (CERN) | Design, manufacturing and test of the MDXF magnet | https://indico.cern.ch/event/1028104 | CERN |
| 12 | 17.06.2021 Serio Calatroni (CERN) | HTS for the FCC-hh beam screen, and beyond | https://indico.cern.ch/event/1046399 | CERN |
| 13 | 23.06.2021 Ariel Haez (CERN) | Progress in GaToroid, a novel gantry for hadron therapy | https://indico.cern.ch/event/1046399 | CERN |
| 14 | 08.07.2021 Kirilana Phebrao (CERN, Karlsruhe Institute of Technology (DE)) | Thermal Analysis of He II - cooled Nb3Sn Superconducting Coil Samples for the HL-LHC project | https://indico.cern.ch/event/1051774 | KIT - Karlsruhe Institute of Technology (DE) |
| 15 | 15.07.2021 Gianluca Vernassa (INFN - Università Genova (IT)) | Progress in GaToroid, a novel gantry for hadron therapy II | https://indico.cern.ch/event/1058141 | INFN - Università Genova (IT) |
| 16 | 02.09.2021 Felix Josef Wolf (CERN) | Passive and active contact pressure measurement systems in superconducting magnet applications | https://indico.cern.ch/event/1070409 | CERN |
| 17 | 16.09.2021 Doris Buffinger (CERN) | Superconducting Nb3Sn superconductors | https://indico.cern.ch/event/1070409 | CERN |
| 18 | 23.09.2021 Jerome Feltrer (CERN) | Rutherford cables for HL-LHC superconducting magnets | https://indico.cern.ch/event/1077978 | CERN |
| 19 | 30.09.2021 Michael Guindard (CERN) | Mechanical Measurements in Superconducting Magnets Based on Optical Fibres | https://indico.cern.ch/event/1079866 | CERN |
| 20 | 14.10.2021 Pierre Masini (Université Paris-Saclay (FR)) | CoSiCoPC approach for multiscale modelling of Nb3Sn Rutherford cables | https://indico.cern.ch/event/1080283 | CERN |
| 21 | 21.10.2021 Matthias Bonora (CERN) | An integrated software framework for magnetic measurements - from raw data to assets | https://indico.cern.ch/event/1087520 | CERN |
| 22 | 28.10.2021 Jaakko Kvarnström () | Increasing the efficiency of the CERN accelerators by use of Superconducting Magnetic Energy Storage (SMES) | https://indico.cern.ch/event/1088899 | CERN |
| 23 | 11.11.2021 Thierry Baudouin (CERN) | The European superconductors for ITER Magnets | https://indico.cern.ch/event/1092997 | CERN |
| 24 | 25.11.2021 Mahmoud ABDEL HAFIZ (Université Paris-Saclay) | Study of mechanical state of Nb3Sn conductors during heat treatment | https://indico.cern.ch/event/1098660 | Université Paris-Saclay |
| 25 | 09.12.2021 Agnieszka Chmieleńska (CERN) | Analysis of simulations and measurements to predict the magnetic field for the operation of accelerator magnets | https://indico.cern.ch/event/1104000 | CERN |
| 1 | 13.01.2022 Gerard Wilfert (CERN / TE-MSC/CM) | Transient and Cold Dissipation in Accelerator Magnets | https://indico.cern.ch/event/1121793 | CERN / TE-MSC/CM |
| 2 | 20.01.2022 Patricia Tavares Coutinho Bozoz De Sousa (CERN) | Experimental assessment of Nb3Sn impregnated coil samples in He II: temperature margin evaluation and investigation of aging mechanisms in the impregnation | https://indico.cern.ch/event/1115172 | CERN |
| 3 | 03.02.2022 Mario Di Castro (CERN) | Robotic Solutions for Remote Maintenance and Quality Assurance | https://indico.cern.ch/event/1122796 | CERN |
| 4 | 10.02.2022 Franco Jalloh Mangano (CERN / TE-MSC/CM) | Carpetter: magnet test follow-up and analysis data visualization | https://indico.cern.ch/event/1123760 | CERN / TE-MSC/CM |
| 5 | 03.03.2022 Peptone Kevin (Uppsala University (Sweden)) | Gersemi: a facility to test superconducting magnets at FREA - Uppsala University - Sweden | https://indico.cern.ch/event/1123813 | Uppsala University (Sweden) |
| 6 | 17.03.2022 Vincenzo Di Capua (CERN / TE-MSC/CM) | Real Time measurement, simulation and prediction of the magnetic field for particle accelerators | https://indico.cern.ch/event/1124243 | CERN / TE-MSC/CM |
| 7 | 24.03.2022 Emanuele Zani (Fermi National Accelerator Laboratory - FNAL (United States)) | Impact of instability on Nb3Sn magnets | https://indico.cern.ch/event/1126340 | Fermi National Accelerator Laboratory - FNAL (United States) |
| 8 | 31.03.2022 Alessandro Bertarelli (CERN), Friedrich Ludker (CERN) | Mechanical testing of collared coil mock-ups based on the 11 T dipole cross section | https://indico.cern.ch/event/1101573 | CERN |
| 9 | 07.04.2022 Alexander Zlobin (Fermi National Accelerator Laboratory - FNAL (United States)) | 15 T dipole demonstrator MDPC1 - development, tests, lessons learned and next steps | https://indico.cern.ch/event/1146779 | Fermi National Accelerator Laboratory - FNAL (United States) |
| 10 | 28.02.2022 Joe Di Marco (Fermi National Accelerator Laboratory - FNAL (United States)) | Quench Antenna Development at Fermilab | https://indico.cern.ch/event/1126339 | Fermi National Accelerator Laboratory - FNAL (United States) |
| 11 | 05.05.2022 Mohammed Ebbeni (MAX IV Laboratory (Lund, Sweden)) | Insertion Device development activities at MAX IV Laboratory | https://indico.cern.ch/event/1149043 | MAX IV Laboratory (Lund, Sweden) |
| 12 | 02.06.2022 Daniel Barna (Wigner Research Centre for Physics (Budapest)) | Concept and development of the superconducting shield (SuSH) septum for the FCC | https://indico.cern.ch/event/1161445 | Wigner Research Centre for Physics (Budapest) |
| 13 | 09.06.2022 Gerard Tranquilli (CERN) | Electron Cooling at CERN - Past, present, and future | https://indico.cern.ch/event/1149090 | CERN |
| 14 | 16.06.2022 Elio Todesco (CERN / TE-MSC) | Cold efficiency and sensitivity analysis for dipole magnets | https://indico.cern.ch/event/1146186 | CERN / TE-MSC |
| 15 | 23.06.2022 Gilles Lenard (CERN / TE-MSC/CM) | Effect of transverse compressive stress on Nb3Sn Rutherford cables for accelerator magnets | https://indico.cern.ch/event/1138737 | CERN / TE-MSC/CM |
| 16 | 30.06.2022 Sebastian Richter (CERN / TE-MSC/CM) | High temperature superconducting undulators for compact free-electron lasers, CLIC and FCC-ee | https://indico.cern.ch/event/1138409 | CERN / TE-MSC/CM |
| 17 | 14.07.2022 Zama Alexandre (CERN / TE-MSC/CM) | Current redistribution in the surrounding of a defect during an inhomogeneous excitation of 2G HTS tapes | https://indico.cern.ch/event/1171941 | CERN / TE-MSC/CM |
| 18 | 28.07.2022 Zachary Zach Hartwig (MIT - Massachusetts Institute of Technology (PSFC)) | The SPARC Toroidal Field Model Coil Project | https://indico.cern.ch/event/1164644 | MIT - Massachusetts Institute of Technology (PSFC) |
| 19 | 15.09.2022 Jan Borbely (CERN / JY) | The accelerator septum: an electric or magnetic field device? | https://indico.cern.ch/event/1161447 | CERN / JY |
| 20 | 29.09.2022 Eranuella Ravaioli (CERN / TE-MPE), Mariusz Woźniak (CERN) | STEAM Software Framework for Simulation of Transient Effects in Accelerator Magnets and Circuits | https://indico.cern.ch/event/1161448 | CERN / TE-MPE |
| 21 | 06.10.2022 Elio Todesco (CERN / TE-MSC) | All about the filling factor | https://indico.cern.ch/event/1193989 | CERN / TE-MSC |
| 22 | 13.10.2022 Guillaume Cantagrel (CERN / TE-MSC) | Impact of material properties of Nb3Sn coil on the thermomechanical behavior | https://indico.cern.ch/event/1197048 | CERN / TE-MSC |
| 23 | 20.10.2022 Matthias Bonora (CERN / TE-MSC/CM) | A transparent tool for the production monitoring: the Electronic Manufacturing and Inspection Plan (E-MIP) | https://indico.cern.ch/event/1193616 | CERN / TE-MSC/CM |
| 24 | 17.11.2022 Dileo Perini (CERN / TE-MSC) | Mechanical structures for superconducting dipoles. Different configurations for different applications. | https://indico.cern.ch/event/1192131 | CERN / TE-MSC |
| 25 | 24.11.2022 Susana Izquierdo Fernandez (CERN / TE-MSC/LMF), Emma Guatheron (CERN / TE-MSC-SMT) | TE-MSC Group representative at ASC #1 | https://indico.cern.ch/event/1218438 | CERN / TE-MSC/LMF |
| 26 | 01.12.2022 MSC Forum (CERN / TE-MSC) | Resin and insulation | https://indico.cern.ch/event/1210787 | CERN / TE-MSC |
| 27 | 08.12.2022 Elio Todesco (CERN / TE-MSC) Stefano Scobbo (CERN) | TE-MSC Group representative at ASC #2 | https://indico.cern.ch/event/1227173 | CERN / TE-MSC |
| 28 | 15.12.2022 Christian Barth Hovlev (CERN / TE-MSC/SCD), Simon Hovlev (CERN / TE-MSC/SCD) | TE-MSC Group representative at ASC #3 | https://indico.cern.ch/event/1227173 | CERN / TE-MSC/SCD |
| 1 | 19.01.2023 Giorgio Vallone (Lawrence Berkeley National Laboratory - LBNL (United States)) | Computation of the Strain Limits in Nb3Sn Superconducting Magnets | https://indico.cern.ch/event/1179999 | Lawrence Berkeley National Laboratory - LBNL (United States) |
| 2 | 02.02.2023 Riccardo Umberto Valente (IASA (Italy)) | Round Coil Superferric Magnet - Design and Test Results of the First MgB2 Accelerator Magnet | https://indico.cern.ch/event/1218623 | IASA (Italy) |
| 3 | 16.02.2023 Jordi Manent Garcia (IASA (Spain)) | Design of magnets for ALBA II | https://indico.cern.ch/event/1201293 | IASA (Spain) |
| 4 | 02.03.2023 Aachmann Bernhard (PSI (Switzerland)) | Accelerator Magnet R&D in CHART | https://indico.cern.ch/event/1206607 | PSI (Switzerland) |
| 5 | 16.03.2023 Jose Luis Ruederos Fernandez (Lawrence Berkeley National Laboratory - LBNL (United States)) | Ultra-layer magnets: a new concept for HTS and HTS based superconducting magnets | https://indico.cern.ch/event/1218472 | Lawrence Berkeley National Laboratory - LBNL (United States) |
| 6 | 29.03.2023 Richard Hagedorn (ETH Zurich (Switzerland)) | Challenges at the hidden physics frontier (SM18) | https://indico.cern.ch/event/1206449 | CERN (EP - RD) (Switzerland) |
| 7 | 30.03.2023 Tommaso Baggi (Unige - University of Geneva (Switzerland)) | Electro-mechanical limits of RRP Nb3Sn wires under transverse stress: numerical and experimental analysis | https://indico.cern.ch/event/1218494 | Unige - University of Geneva (Switzerland) |
| 8 | 27.04.2023 Elio Todesco (CERN (Switzerland)) | Analytical estimates of stress in accelerator dipoles based on sector coils | https://indico.cern.ch/event/1271250 | CERN (Switzerland) |
| 9 | 04.05.2023 Janine Rapp (CERN (Switzerland)) | FAER and the PPF: looking forward to New Physics | https://indico.cern.ch/event/1271250 | CERN (Switzerland) |
| 10 | 11.05.2023 Thomas Nes (CERN - University of Twente) | Towards a ReBCO cloverleaf magnet - windline trials and test results of a 1st demonstrator | https://indico.cern.ch/event/1257939 </ | |